



MASENO UNIVERSITY
UNIVERSITY EXAMINATIONS 2016/2017

**FOURTH YEAR FIRST SEMESTER EXAMINATION FOR DEGREE
OF BACHELOR OF SCIENCE IN BIOMEDICAL SCIENCE &
TECHNOLOGY WITH INFORMATION TECHNOLOGY**

MAIN CAMPUS

PPS 432: PHARMACOLOGY AND THERAPEUTICS I

Date: 10th December, 2016

Time: 8.30 - 11.30am

INSTRUCTIONS:

- Answer ALL Questions in Section A and any other TWO in Section B.



SECTION A: 40 MARKS: SHORT ANSWER QUESTIONS (SAQS)
ANSWER ALL QUESTIONS

1. Write short notes on the drugs that are used in the eradication of helicobacter pylori. (5 marks)
2. Classify anti-retroviral drugs with appropriate examples. (5 Marks).
3. Briefly describe the mechanism of toxicity of snake venom. (5 marks).
4. Explain the mechanism of action of co-trimoxazole and its uses. (5 marks)
5. Define and differentiate between LD₅₀ and LC₅₀. (5 Marks).
6. Write short notes on drugs used in the management of constipation with relevant examples (5 marks)
7. Describe any 5 adverse drug reactions of gentamicin.(5 marks)
8. Classify penicillins with appropriate examples (5 marks)

SECTIONB: 30 MARKS: LONG ANSWER QUESTIONS (LAQS)

Answer two questions in this section, question one is compulsory.

1. Discuss in detail the management of a poisoned patient. (15 marks)
2. (a) Describe briefly any 5 factors that cause variations in response to a toxic substance. (10 marks)
(b) Describe any 5 adverse drug reactions of zidovudine (5 marks)
3. Explain the adverse drug reactions of anti-cancer medication (15 marks).